

TB222440W

Reg. No :

Name :

B. Sc. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023

**2022 Admissions Regular & 2021 Admissions Supplementary / Improvement And 2020, 2019 And 2018 Admissions
Supplementary**

SEMESTER II - COMPLEMENTARY COURSE 2 (ZOOLOGY)

(For Botany and Home Science)

ZY2C01B18 - CHORDATE DIVERSITY

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 mark

(10x1=10)

1. Write any two chordate affinities of *Amphioxus*.
2. Justify the inclusion of *Oikopleura* in the class Larvacea.
3. Enumerate any 2 functions of swim bladder in fishes.
4. Name any 2 median fins.
5. Define paedogenesis.
6. Recall the genus name of A) Blind worm B) True toad
7. Define sympathetic nervous system.
8. What is zygodactyly?
9. Name the flight muscles of birds.
10. What is pecten?
11. Cite an example for metatherian mammal.
12. Define gynaecomastism.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Citing a suitable example mention the peculiarities of class Appendicularia.
14. Summarise the affinities of *Amphioxus*.
15. Enumerate the important characters of the class Chondrichthyes and give one example.
16. Why is *Narcine* known as "Electric Ray"?
17. Distinguish between procoelous and amphicoelous vertebra with diagram.
18. Write notes on Blind worms.
19. Comment on *Chelone*.
20. Explain the salient features of Sub class Metatheria with suitable example.
21. Cite the differences between suborder Lacertilia and Ophidia.

Part C

III. Answer any Two questions. Each question carries 10 marks

(2x10=20)

22. Describe the classes and examples of Subphylum Urochordata.
23. Explain the salient features of Division Agnatha and its classification with suitable examples.

24. Discuss the structure of frog brain using suitable diagram.
25. Enumerate the salient features of class Reptilia. List its sub-classes and one example each.